

# Titanium Mill Products, Ingot, and Castings



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The statistics in this publication are based on a survey of manufacturers and represent total U.S. shipments of titanium mill products, ingot, and castings. Estimates are included for companies whose reports were not received in time for tabulation. A description of the survey methodology and related information appears in the January 1984 report for this series, ITA991(84)-1, issued April 1984.

Table 1. NET SHIPMENTS OF TITANIUM MILL PRODUCTS

(Thousands of pounds)

Product description	July 1984	June 1984	July 1983
Total <sup>1</sup> .....	3,404	3,948	2,287
Sheet and strip.....	(2)	(2)	(2)
Plate.....	(2)	(2)	(2)
Forging and extrusion billet.....	1,664	1,876	992
Rod and bar.....	517	613	351
Fastener stock and wire.....			
Extrusion.....	2,123	2,149	2,944
Pipe and tubing.....			
Other.....			

<sup>1</sup>Net shipments is the sum of mill product shipments plus mill products consumed in the manufacture of fabricated products, less total receipts.

<sup>2</sup>Data for sheet and strip, plate, extrusion (other than tubing), pipe and tubing, and other have been combined to avoid disclosing individual company data.

Table 2. TITANIUM INGOT, MILL PRODUCTS, AND CASTINGS: 1984 AND 1983

(Thousands of pounds)

Month and year	Ingot					Mill products			Castings	
	Pro- duction	Con- sumption	Ship- ments	Receipts	Ending inventories	Pro- duction	Receipts	Net ship- ments <sup>1 2</sup>	Pro- duction	Ship- ments
1984										
July.....	7,040	4,383	3,660	1,203	8,999	3,757	414	3,404	146	36
June.....	7,247	4,759	3,156	1,764	8,901	4,291	614	3,948	150	52
May.....	6,015	5,143	2,986	1,511	7,928	3,888	631	3,234	125	40
April.....	6,287	4,624	2,474	1,378	8,594	3,933	575	3,704	109	34
March.....	6,534	4,807	3,292	2,193	7,931	4,301	408	4,373	146	44
February.....	5,858	4,277	3,518	1,483	7,265	3,506	463	3,321	129	44
January.....	5,846	5,464	1,229	1,823	7,548	3,304	301	3,282	111	27
1983										
Total <sup>3</sup> .....	52,878	52,465	10,884	11,345	(X)	34,647	4,143	31,866	1,005	488
December.....	5,754	4,942	807	859	6,546	3,119	430	2,903	103	39
November.....	4,745	4,770	968	994	5,523	2,864	360	2,547	77	44
October.....	4,799	5,068	873	890	5,472	3,020	314	2,656	75	29
September.....	5,045	5,372	950	950	5,527	3,546	735	3,050	85	35
August.....	4,361	4,814	805	961	5,920	2,845	432	2,437	71	32
July.....	4,148	3,608	867	1,141	5,994	2,577	314	2,287	48	29
June.....	5,048	5,168	945	924	5,052	3,132	355	2,642	84	41
May.....	3,769	3,665	1,002	968	5,221	3,021	422	2,691	81	47
April.....	3,657	3,446	918	746	5,141	2,567	198	2,479	94	42
March.....	4,310	4,354	1,151	1,181	5,017	2,887	191	2,876	100	55
February.....	3,698	3,560	977	839	5,020	2,418	224	2,633	104	61
January.....	3,544	3,698	621	892	4,938	2,651	168	2,665	83	34

(X) Not applicable.

<sup>1</sup>See table 1 for more detailed data.

<sup>2</sup>Net shipments is the sum of mill product shipments plus mill products consumed in the manufacture of fabricated products, less total receipts.

<sup>3</sup>Inventories for the year are those shown for December.

Address inquiries concerning these figures to the U.S. Department of Commerce, International Trade Administration, Materials Division, Washington, D.C., 20230, or to the Bureau of the Census, Industry Division, Washington, D.C. 20233, or call Nathaniel Shelton, (301) 763-2529.  
For sale by the Superintendent of Documents, U.S. Government Printing Office, Washington, D.C. 20402.

Table 3. NET SHIPMENTS, EXPORTS, IMPORTS, AND APPARENT CONSUMPTION OF TITANIUM MILL PRODUCTS: 1984 AND 1983

(Quantity in thousands of pounds; value in thousands of dollars)

Month and year	Manufac- turers' net shipments (quantity)	Exports of domestic merchandise <sup>1 2</sup>			Percent exports to manufac- turers' net shipments (quantity)	Imports for consumption <sup>1 4</sup>		Apparent consump- tion <sup>6</sup> (quantity)	Percent imports to apparent consumption (quantity)
		Quantity	Value at port	Estimated producers' value <sup>3</sup>		Quantity	Value <sup>5</sup>		
JULY 1984									
Total .....	7,064	481	5,062	4,926	7	168	1,459	6,751	2
Titanium ingot and forging and extrusion billet <sup>7</sup> .....	5,324	364	3,477	3,383	5	9	104	4,969	(Z)
Titanium mill products.....	1,740	117	1,585	1,543	13	159	1,355	1,782	9
JUNE 1984									
Total .....	7,104	693	6,481	6,307	10	113	1,010	6,524	2
Titanium ingot and forging and extrusion billet <sup>7</sup> .....	5,032	369	3,399	3,308	7	6	105	4,669	(Z)
Titanium mill products.....	2,072	324	3,082	2,999	16	107	905	1,855	6
MAY 1984									
Total .....	6,220	584	6,892	6,706	9	169	1,646	5,805	3
Titanium ingot and forging and extrusion billet <sup>7</sup> .....	4,630	467	5,155	5,016	10	12	92	4,175	(Z)
Titanium mill products.....	1,590	117	1,737	1,690	7	157	1,554	1,630	10
APRIL 1984									
Total .....	6,178	486	5,291	5,148	8	178	1,456	5,870	3
Titanium ingot and forging and extrusion billet <sup>7</sup> .....	4,450	423	4,408	4,289	10	46	177	4,073	1
Titanium mill products.....	1,728	63	883	859	4	132	1,279	1,797	7
MARCH 1984									
Total .....	7,665	488	4,829	4,699	6	304	2,061	7,475	4
Titanium ingot and forging and extrusion billet <sup>7</sup> .....	5,968	395	3,576	3,480	4	67	300	5,640	1
Titanium mill products.....	1,697	93	1,253	1,219	7	237	1,761	1,835	13
FEBRUARY 1984									
Total .....	6,839	370	4,597	4,473	5	87	523	6,556	1
Titanium ingot and forging and extrusion billet <sup>7</sup> .....	5,234	265	3,219	3,132	5	1	13	4,970	(Z)
Titanium mill products.....	1,605	105	1,378	1,341	7	86	510	1,586	5
JANUARY 1984									
Total .....	4,511	431	5,003	4,869	9	122	933	4,202	3
Titanium ingot and forging and extrusion billet <sup>7</sup> .....	3,083	333	3,697	3,598	11	29	183	2,779	1
Titanium mill products.....	1,428	98	1,306	1,271	7	93	750	1,423	7
1983									
Total.....	42,788	4,307	52,199	50,699	10	2,033	18,276	40,514	5
Titanium ingot and forging and extrusion billet <sup>7</sup> .....	26,089	2,740	29,234	28,425	11	161	1,443	23,510	1
Titanium mill products.....	16,699	1,567	22,965	22,274	9	1,872	16,833	17,004	11

<sup>1</sup> Revised by 5 percent or more from previously published figures. (Z) Less than one-half of 1 percent.

<sup>1</sup> For a comparison of Standard Industrial Classification (SIC) codes, Schedule B export numbers, and TSUSA import numbers, see table 4 in the January report ITA991(B4)-1, issued April 1984.

<sup>2</sup> Source: Bureau of the Census report EM 54b, U.S. Exports.

<sup>3</sup> These values were derived by use of adjustment factors to exclude freight, insurance, and other charges incurred in moving goods to the port of export. This adjustment is made to convert the values to an approximation of the producers' value of exported goods. Current adjustment factors are based on data for 1981 which are published in Origin of Exports of Manufactured Products, MB1(AS)-5, appendix B. Comparable adjustment factors for earlier years are based on similar factors developed for 1971 and 1972. The current adjustment factor for this report is 0.9731.

<sup>4</sup> Source: Bureau of the Census report IM 145-X, U.S. Imports for Consumption and General Imports.

<sup>5</sup> The value includes c.i.f. (cost, insurance, and freight) at the first port of entry in the United States plus U.S. import duties and other charges to the import point.

<sup>6</sup> Apparent consumption is derived by subtracting exports from the total of net shipments plus imports.

<sup>7</sup> Comparability of output, export, and import classifications for ingot and billet assume that bloom, sheet bar, and slab are reported as ingot or billet in the output numbers. Figures for imports of ingot and billet also include powder, crystal, and similar forms which are excluded from the output and export numbers.